

WASTEWATER TREATMENT PLANT MECHANIC I*Class Definition*

Under close supervision, repairs, services, and maintains equipment, machinery and related apparatus at the City's Wastewater Treatment Plant facilities.

Distinguishing Characteristics

Wastewater Treatment Plant Mechanic I is the entry level class in the Wastewater Treatment Plant Mechanic series. An incumbent repairs, services, and maintains Wastewater Treatment Plant equipment and machinery, and assists Wastewater Treatment Plant Mechanic II in more complex assignments. This class differs from Wastewater Treatment Plant Mechanic II in that the latter is the full journey level class in which incumbents perform the full range of duties with greater independence.

Typical Tasks

(An incumbent may not be assigned all duties listed, nor do the examples cover all duties which may be assigned.)

Maintains and repairs a variety of equipment, machinery and control systems in treatment plants to assure efficient plant operations.

Overhauls pumps, motors and other equipment; services equipment and machinery.

Diagnoses problems and makes necessary repairs; maintains records of work performed.

Installs or replaces equipment and machinery; participates in major plant installations and overhauls.

Services machinery and equipment through preventive maintenance by performing periodic lubrication, adjustment, cleaning, and inspections for worn parts.

Rebuilds pumps and other auxiliary equipment; performs plumbing and welding tasks in repairing equipment.

Performs related duties as required.

Knowledge, Abilities, and Skills

Some knowledge of the practices, methods, tools and materials of the mechanical, electrical, and welding trades.

Some knowledge of the operation of pumps, motors, and related equipment and machinery.

Knowledge of occupational and safety hazards and methods to perform duties safely and efficiently.

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Ability to diagnose and correct operating malfunctions in mechanical and electrical equipment and systems, including multi-fuel internal combustion engines.

Ability to work from sketches, blueprints and/or oral instructions.

Ability to establish and maintain effective working relationships with supervisors and co-workers.

Skill in the use of tools and equipment of the mechanical, electrical, and welding trades.

Minimum Qualifications

Six (6) months of experience in the repair of pumps and electric motors. Mechanical maintenance in a utility plant is desirable, as is coursework or training in the repair and maintenance of pumps and electric motors.

Necessary Special Requirements

Possession of a valid California Driver's License at time of appointment.

APPROVED: _____
Director or Personnel

DATE: _____

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